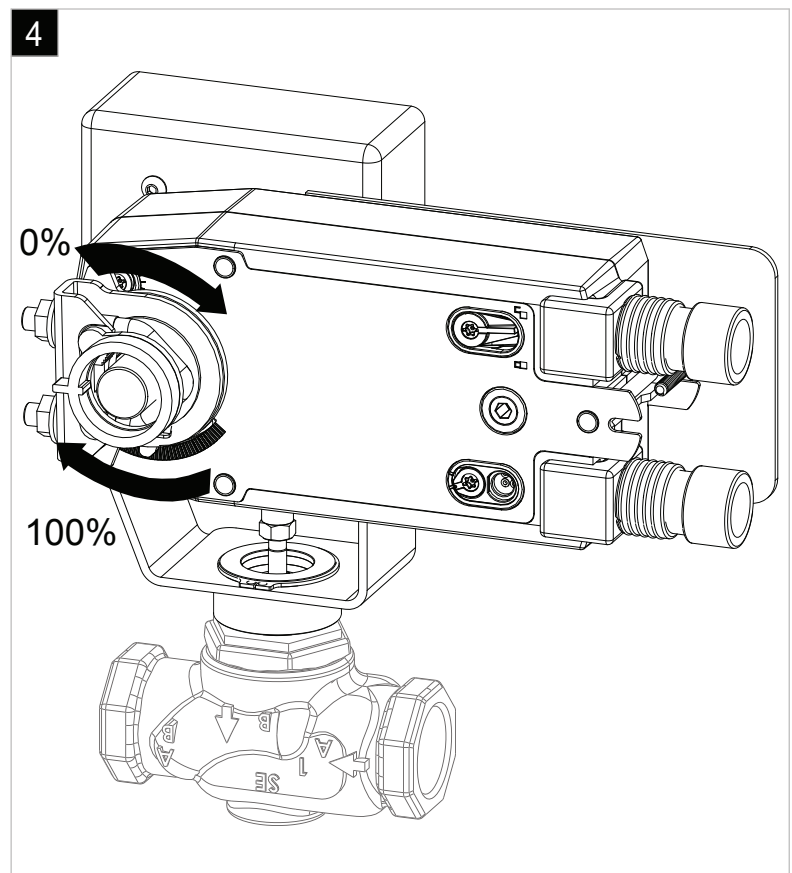
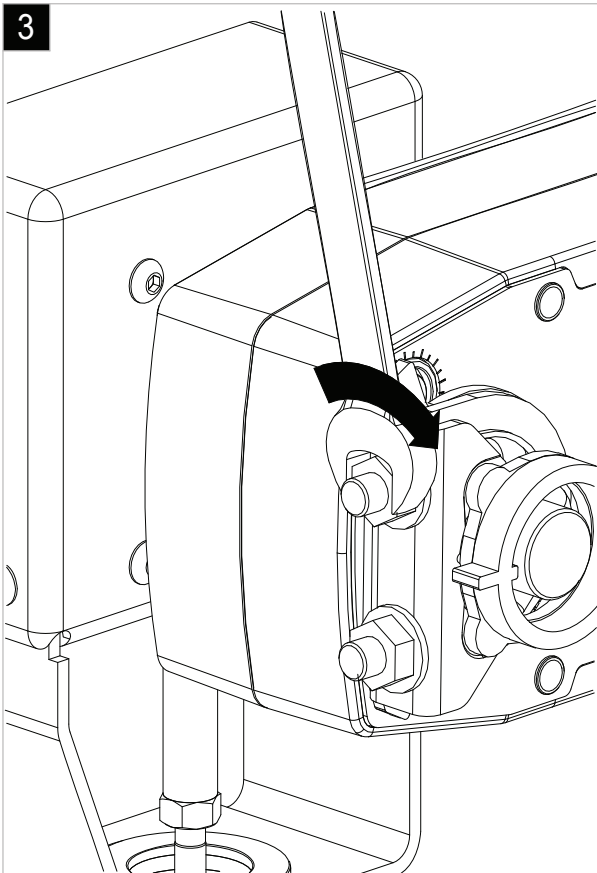
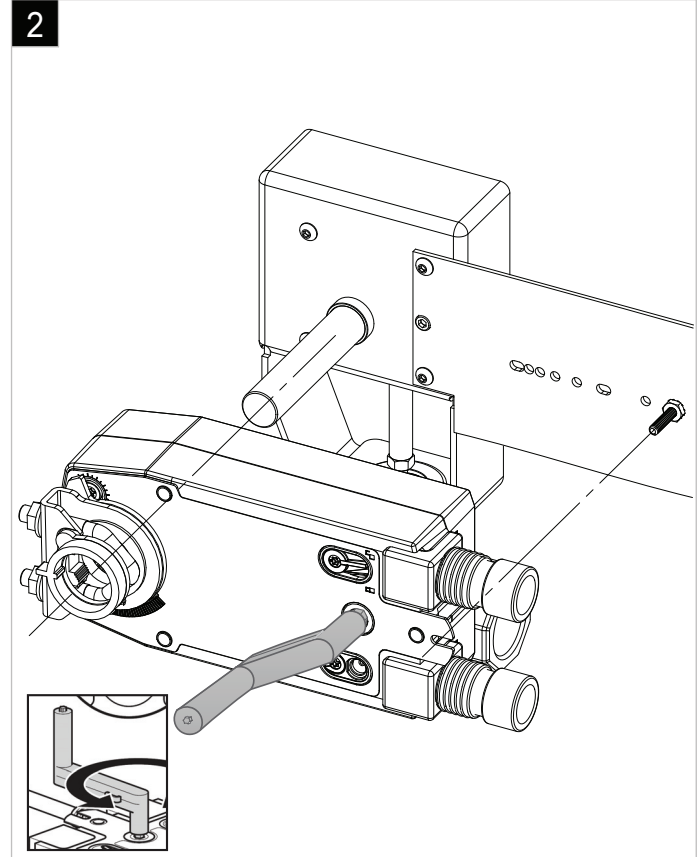
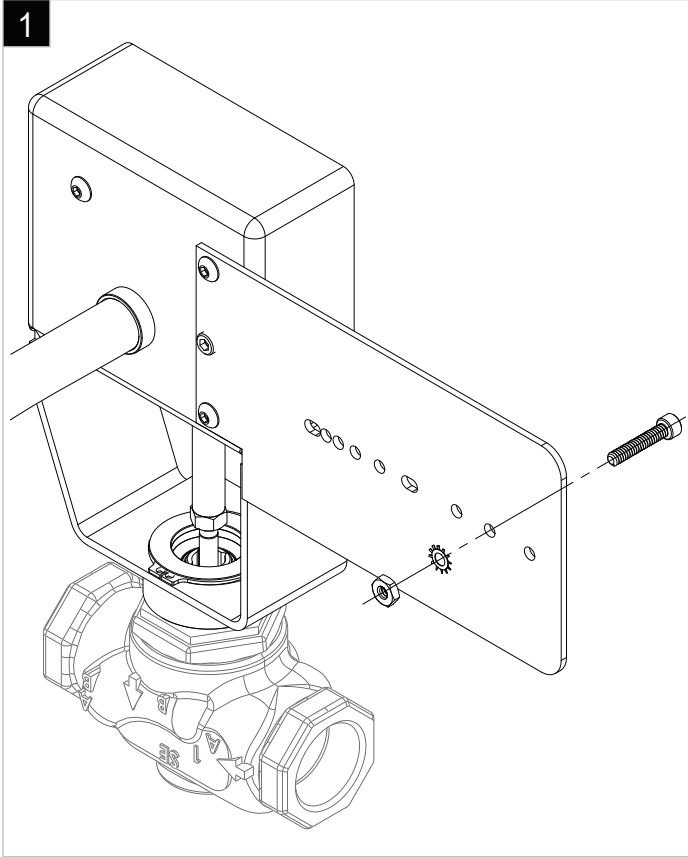


NF-X1 Actuators with G2 and G3 Globe Valves



Spring Return Actuator with On/Off, Floating Point and -SR

Function	a
Max	100%

On/Off

120 VAC
230 VAC

Function	a
Max	100%

24 VAC up to 240 VAC

Actuator	Wire Number	Color
NF24-SR US	5	Wht
NF24-SR-S US	5	Org

VDC / 4 to 20 mA

Spring Return Actuator with MFT

Triac Sink

Triac Source

Triac Sink with Separate Transformer

On/Off

Function	a
Max	100%

On/Off

Floating Point

Functions	a	b	c
Min*	0%		
Mid*	50%		
Max*	100%		
Normal**	Control mode acc. to Y		

* Default selectable 0-100%. See Configuration Data Sheet.
** Customizable. See Configuration Data Sheet.

Floating Point

Function	a
Max	100%

PWM

VDC / 4 to 20 mA

Actuator	Wire Number	Color
NF24-MFT US	5	Org

VDC / 4 to 20 mA

Override Control Min, Mid, Max Postions

Functions	a	b	c
Min*	0%		
Mid*	50%		
Max*	100%		
Normal**	Control mode acc. to Y		

* Default selectable 0-100%. See Configuration Data Sheet.
** Customizable. See Configuration Data Sheet.

Override Control Min, Mid, Max Postions

Notes:

- Meets cULus requirements without the need of an electrical ground connection
- Actuators with appliance cables are numbered.
- Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- Actuators may also be powered by 24 VDC.
- Only connect common to neg. (-) leg of control circuits.
- A 500 Ohm resistor converts the 4 to 20 mA control signal to 2 to 10 VDC.
- Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 VAC line.
- Contact closures A & B also can be triacs. A & B should both be closed for the triac source and open for triac sink.
- For triac sink the Common connection from the actuator must be connected to the Hot connection of the controller. Position feedback cannot be used with a triac sink controller. The actuator internal common reference is not compatible.
- Actuators may be connected in parallel if not mechanically mounted to the same shaft. Power consumption and input impedance must be observed.
- Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
- All 120 VAC, 230 VAC, and UP actuators use appliance rated cables.
- UP models use "L" instead of "H" on #2 wire.

Auxiliary Switches

- GRN Green
- Verde Vert
- Verde Verde
- ORG Orange
- Anaranjado Orange
- Alaranjado Alaranjado
- PNK Pink
- Rosado Rosa
- Cor-de-ros Cor-de-ros
- WHT White
- Blanco Blanco
- Blanco Blanco
- WHT White
- RED Red
- Rouge Rouge
- Vermelho Vermelho
- BLK Black
- Negro Negro
- Noir Noir
- Preto Preto

MFT95

The direction of rotation switch is set so that the fail safe position and the position of the damper is closed with no signal at wire R.



Notes:

-  **18** Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
-  **21** Provide overload protection and disconnect as required.
-  **22** Actuators and controller must have separate transformers.
-  **23** Consult controller instruction data for more detailed information.
-  **24** Resistor value depend on the type of controller and the number of actuators. No resistor required for one actuator. Honeywell® resistor kits may be used.
-  **25** To reverse control rotation, use the reversing switch.

BLK
Black
Negro
Noir
Preto